

Claims

1. Bag (4) made of film material, which bag in the unfolded state has an essentially rectangular mid section (31), a front panel (11) and a rear panel (12) extending from two opposing side edges of the mid section (31), and having (sic), at right angles to the front panel and rear panel, two side panels (13, 14) that extend from two further side edges of the mid section (31), each panel (11, 12, 13, 14) being provided with two side edges (15, 16, 15', 16', 32, 33, 32', 33') and with an end edge (17, 18, 17', 18', 33, 34, 33', 34') located some distance away from the mid section, wherein, when the bag is in the made-up state, the side panels are folded along their centre line (35), as well as along two fold lines (26, 27, 28, 29) that run from the corner points of the mid section (31) located close to the respective side panel into or close to the centre of the mid section, wherein the side panel halves located on either side of the centre line (35) of the side panels are positioned with their outsides (36, 36') facing one another and wherein the front and rear panels are folded about the centre line (35) of the mid section (31) and are positioned with their insides (24, 24') facing one another, wherein the double-folded side panels (13, 14) are located between the front panel and the rear panel (11, 12), the longitudinal edges (32, 33, 32', 33') of the side panels (13, 14) are in contact with the adjacent longitudinal edges (15, 16, 15', 16') of the front and rear panels (11, 12), and the side panels and the front and rear panels are sealed to one another along the longitudinal edges (15, 16, 15', 16', 32, 33, 32', 33') and along the end edges (17, 18, 17', 18', 33, 34, 33', 34').
2. Bag (4) according to Claim 1, wherein the end edges (17, 18, 17', 18', 33, 34, 33', 34') of the panels comprises (sic) two edge sections extending in the shape of a point 4 from the side edges to the centre line (19, 35) of each panel (11, 12, 13, 14).
3. Bag (4) according to Claim 1 or 2, wherein the bag comprises a laminate of a metal foil layer and a plastic layer, the plastic layer being located on the inside (24, 24') of the bag, which plastic layer provides the seal between the panels (11, 12, 13, 14) by the application of heat along the longitudinal edges (15, 16, 15', 16', 32, 33, 32', 33') and along the end edges (17, 18, 17', 18', 33, 34, 33', 34').

REPLACED BY
ART 34 AMDT

4. Bag (4) according to one of the preceding claims, characterised in that a hole (30) is made in the film material at or close to the centre of the mid section (31), a tube (5) extending in the interior of the bag (4), which tube is connected to a shut-off valve (6) located outside the bag and is sealed to the periphery of the hole (30).
- 5
5. Bag (4) according to one of the preceding claims, characterised in that two fastening lips (22, 23, 22', 23') are provided along two opposing longitudinal edges (15, 16, 15', 16') of a panel, which fastening lips (22, 23, 22', 23') extend laterally with respect to the longitudinal edges and are placed on top of one another and joined to one another such that they can come apart.
- 10
6. Bag (4) according to Claim 5, wherein the fastening lips (22, 23, 22', 23') are formed on the longitudinal edges (15, 16, 15', 16') of the front and rear panels (11, 12) and protrude beyond the longitudinal edges of the side panels.
- 15
7. Bag (4) according to Claim 5 or 6, wherein the fastening lips (22, 23, 22', 23') run along both longitudinal edges (15, 16, 15', 16') of the front and rear panels and have a mutually different length and/or position along the longitudinal edges.
- 20
8. Bag (4) according to one of the preceding claims, wherein two panels located on either side of the mid section (31) are made from individual pieces of material (56, 57) and are joined to the side edges (59, 60) of the mid section.
- 25
9. Assembly of a container (1) having a curved base (3) and/or neck (2), containing a bag (4) according to one of the preceding claims.
- 30
10. Method for making a bag from film material, comprising the following steps:
- (a) feeding three webs (50, 51, 52) of film material in parallel,
 - (b) joining adjoining sides (58, 59) of the two outer webs to the middle web of material (50),
 - (c) before or after step (b), cutting off the webs transversely to the direction of transport in order to form side panels (13, 14) and front and rear panels (11, 12),
 - (d) folding the side panels (13, 14) along their centre line (35) as well as along two

REPLACED BY
ART 34 AMDT

fold lines (26, 27, 28, 29) which run from the corner points of the side panels located close to the middle web to the centre line of the middle web (35), side panel halves located on either side of the centre line of the side panels being positioned with their outsides (36, 36') facing one another.

5 (e) folding the front and rear panels towards one another about the centre line (35) of the mid section and positioning the front and rear panels (11, 12) with their insides facing one another, the side panels folded double being located between the front panel and the rear panel.

10 (f) joining the edges of the side panels (32, 33, 34, 32', 33', 34') that are in contact with the adjoining edges (15, 16, 17, 18, 15', 16', 17', 18') of the front and rear panels (11, 12).

REPLACED BY
ART 34 AMDT